

# AETHER



## Design, Build and Launch of a Re-entry CubeSat

### ELECTRONIC ENGINEER

## THE PROJECT

Aether is a team of motivated engineering students that have the ambitious goal of bringing the capabilities of sample return to the CubeSat platform. To succeed in this, we are first focussing on the creation of an inflatable heatshield. This is no easy feat, as the hypersonic re-entry creates a challenging environment for our satellite.

"A Cube-what?" you may ask. A CubeSat is a type of nanosatellite that comprised of small 10x10x10 cm cubes. This type of satellites is interesting as it is a 'cheap' platform to conduct research and testing in space.

We are currently looking for new people to join the team. You can join the team for one or two years in function of a Postgraduate program. The requirement: Having a bachelor's degree or higher.

## FUNCTION

As Electronic Engineer you will be responsible for the design and testing of the inflation system and the measurement/testing equipment. Besides testing the system for reliability and functioning, you also will be testing the components for thermal and radiation influences. Supervising theses with electronical subjects is also part of the job. You will be working in close collaboration with the Embedded Engineering Department.

## PROFILE

- Hardware design (PCB) and testing (ATE) experience
- Proficient knowledge on Microprocessor programming and reading out sensors (C-language)
- General power electronics/data handling/RF-communication knowledge
- Motivated team player
- Good communication skills

## RETURNS

- Extensive experience with design and testing of electronic for space applications
- Ability to connect with our partners in the space industry
- First-hand experience in working on a space mission



aetherspace.be

### Interested? Contact us!



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